

REMARKS

Claim 1-16 are pending in the present application. Claims 1, 4-11, 13, 15 and 16 are rejected, claims 2, 3, 12 and 14 have been indicated as containing allowable subject matter, and claims 1, 10 and 13 are independent.

Rejection Under 35 U.S.C. §102

Claims 1, 4-11, 13, 15, 16 are rejected under 35 U.S.C. § 102(b) as being anticipated by McGuffin (U.S. Patent No. 4,217,586). This rejection is respectfully traversed.

An exemplary embodiment of the present invention is directed to a method for receiving signals identified by their individual multipaths components during active periods of data transfer, where the search window used during inactive periods of data transfer is dynamically adjusted based on the inactive period of data transfer and thus the search window is proportionate to the duration of inactive data transfer.

Independent claim 1 recites searching for a multipath component during an inactive period of said data transmission, including defining a dynamic acquisition search window having a time width which increases in proportion to a time duration of the inactive period.

The Examiner cites column 8, lines 25-31 of McGuffin, in order to teach the dynamic acquisition search window of independent claim 1. The Applicant fails to see how the comparison made by the examiner regarding a delay window, "As the delay window becomes larger, the average time for synchronization tends to decrease." Column 8, lines 29-30, is the same as the search window described in independent claim 1. The search window of independent claim 1 is described as dynamically increasing in proportion to the increase in length of the inactive data transfer period. In constrast, the window of acquisition described by

McGuffin is described as being in proportion to the total delay of a tapped delay line, and therefore does not teach an acquisition window being dynamically adjusted in proportion with an active period of data transfer.

Furthermore, the Examiner points to column 9, lines 55-65 of McGuffin which describes a delay window of acquisition as an interval that is equal to the total delay of tapped delay line 64. This window of acquisition described by McGuffin, although described in proportion to the total delay of a tapped delay line, does not teach an acquisition window being dynamically adjusted in proportion with an inactive period of data transfer. For these reasons independent claim 1 is allowable.

Applicants assert claims 10 and 13 are also allowable for similar reasons. The dependent claims 2-9, 11, 12, 14-16 are also allowable as being dependent upon allowable independent claims.

Conclusion

Accordingly, in view of the above amendments and remarks, reconsideration of the objections and rejections and allowance of each of claims 1-16 in connection with the present application is earnestly solicited.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact John A. Castellano, Reg. No. 35,094 at the telephone number of the undersigned below.


In the event this Response does not place the present application in condition for allowance, applicant requests the Examiner to contact the undersigned at (703) 668-8000 to schedule a personal interview.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

HARNESS, DICKEY, & PIERCE, P.L.C.

By



John A. Castellano, Reg. No. 35,094
P.O. Box 8910
Reston, Virginia 20195
(703) 668-8000

JAC/KE/cng